

PATENT ABSTRACTS OF JAPAN

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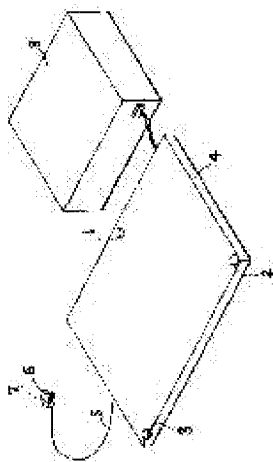
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(21)Application number : 60-172960 (71)Applicant : ANPURU SOFTWARE KK

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(54) THREE-DIMENSIONAL POSITION DETECTING DEVICE

(57)Abstract:



PURPOSE: To easily specify a three-dimensional coordinate by providing plural reference coils, and a movable coil which can move, so that exciting currents of each different frequency can be given to each reference coil.

CONSTITUTION: Three pieces of reference coils 1W3 are contained in a tablet 4, to which a cursor 6 is connected through a

lead wire 5. In this cursor 6, a movable coil 7 is contained, and it can move freely to the reference coils 1W3. Also, to the tablet 4, a CPU 8 is connected, and to the reference coils 1W3, exciting voltages of each different frequency are applied, and magnetic fields of each different frequency are generated. In this state, first of all. When the cursor 6 is moved against the tablet 4, a distance extending from the coils 1W3 to the cursor 6 is varied. A current induced in the coil by each reference coil has a frequency being equal to a frequency of the respective exciting currents. This induced current or voltage is digitized and inputted to the CPU 8. The CPU calculates a distance extending from each reference coil to the cursor, based on each frequency component.